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1 ounce of the fresh plant in a pint of milk or water, administered in wineglassful doses, should be remembered and tried under careful supervision. Data of this kind should aid in rehabilitating a truly American remedy, said to have been used by the Indians as a vermifuge before the landing of Columbus, and in helping the American profession to do without some of the products which, hitherto, have been almost wholly "made in Germany."

PLAGUE-ERADICATIVE WORK.

CALIFORNIA.

The following report of plague-eradication work in California for the week ended September 12, 1914, has been received from Surg. Long, of the United States Public Health Service, in charge of the work:

SAN FRANCISCO, CAL.		RATS IDENTIFIED—continued.	
Premises inspected.....	1,095	Mus rattus.....	53
Premises destroyed.....	12	Steamers <i>Hilonian</i> and <i>China</i> fumigated and searched for dead rats. None found.	
Nuisances abated.....	165		
Poisons placed.....	13,200		
Average number of traps set daily.....	1,734		
RATS COLLECTED AND EXAMINED FOR PLAGUE.		PORT COSTA, CAL.	
Collected.....	372	Rats trapped in warehouses.....	22
Found dead.....	1	Rats trapped on water front.....	7
Examined.....	241	Rats trapped in sugar refinery.....	9
Found infected.....	None.	Poisons placed in warehouses.....	4,300
		Poisons placed in sugar refinery.....	2,500
		Rats examined.....	30
RATS IDENTIFIED.		RATS IDENTIFIED.	
Mus norvegicus.....	200	Mus norvegicus.....	16
Mus musculus.....	59	Mus musculus.....	3
Mus alexandrinus.....	60	Mus alexandrinus.....	14
		Mus rattus.....	8

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	None.....	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	do.....	126 rats.
Berkeley.....	Aug. 28, 1907	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908	do.....	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).....	Sept. 24, 1909	Oct. 17, 1909, wood rat.	Aug. 7, 1914	286 squirrels, 1 wood rat.
Contra Costa.....	May 17, 1914	None.....	Aug. 25, 1914	1,563 squirrels.
Fresno.....	None.....	do.....	Oct. 27, 1911	1 squirrel.
Merced.....	do.....	do.....	July 12, 1911	5 squirrels.
Monterey.....	do.....	do.....	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	do.....	July 3, 1914	35 squirrels.
San Joaquin.....	Sept. 18, 1911	do.....	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	None.....	do.....	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	do.....	July 23, 1913	25 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910	3 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911	13 squirrels.

PLAGUE-INFECTED SQUIRREL.

Contra Costa County, Aug. 25, 1914, Moraga grant, Moraga, sec. 12, T. 1 S., R. 3 W., 1 squirrel.

Squirrels collected and examined for plague.

County.	Shot.	Exam-ined.	Found infected.
Alameda.....	73	73	None.
Contra Costa.....	196	196	1
San Benito.....	61	61	None.
Santa Clara.....	20	20	None.
Total.....	350	350	1

Ranches inspected and hunted over.

Alameda County.....	10
Contra Costa County.....	30
San Benito County.....	9
Santa Clara County.....	3
Total.....	49

Operations on water front.

Vessels inspected for rat guards.....	23
Reinspections made on vessels.....	48
New rat guards procured.....	18
Defective rat guards repaired.....	41
Vessels on which cargo is inspected.....	3

	Condition.	Rat evi- dence.
Steamers Admiral Watson, Congress, and Queen, from Seattle:		
8 bales old rags.....	O. K.....	None.
24 boxes household goods.....	O. K.....	None.
36 bundles empty sacks.....	O. K.....	None.
170 cases merchandise.....	O. K.....	None.
56 rolls paper.....	O. K.....	None.
650 sacks flour and bran.....	O. K.....	None.

Rats trapped on wharves and water front....	18	Poisons placed on water front (pieces).....	7,200
Rats trapped on vessels.....	11	Bait used on water front and vessels, bacon	
Traps set on wharves and water front.....	196	(pounds).....	6
Traps set on vessels.....	132	Amount of bread used in poisoning water	
Vessels trapped on.....	15	front (loaves).....	26
Vessels searched for dead rats after fumiga- tion.....	2	Poison used on water front (pounds).....	14

Operations are being carried on under Federal supervision on the following-named properties, labor and material being furnished by owners:

Poisoned grain and destructors.

Names.	Location.	Acres treated.		Holes treated.
		Pumps.	Grain.	
Moraga Co.....	Contra Costa County.....		499.24	
Hooper Co.....	do.....		1,023.41	
Peoples Water Co.....	do.....		1,500.00	
Walnut Creek Park.....	do.....		144.00	
Brookwood Acres.....	do.....		1,199.00	
Planada Development Co.....	Merced County.....		1,280.00	
Morse Realty Co.....			240.00	
Southern Pacific Co.....	Madera County.....	1 36		1,585

Thirty-six acres of land and 6 miles of railroad right of way inspected.

The work is being carried on in the following-named counties: San Francisco, Alameda, Santa Clara, Contra Costa, San Joaquin, Merced, Stanislaus, San Benito, Santa Cruz, and Monterey.

LOUISIANA—NEW ORLEANS.

The following report of plague-eradication work in New Orleans for the week ended September 19, 1914, has been received from Asst. Surg. Gen. Rucker, of the United States Public Health Service, in charge of the work:

OUTGOING QUARANTINE.		DESTINATION OF RAILROAD CARS INSPECTED WEEK ENDED SEPTEMBER 19—continued.	
Vessels fumigated with sulphur.....	79	Nevada.....	1
Vessels fumigated with carbon monoxide..	10	New Mexico.....	2
Sulphur burned (pounds).....	6,331	Oklahoma.....	9
Coke consumed in carbon-monoxide fumi- gation (pounds).....	25,700	Rhode Island.....	2
Outgoing freight inspected (tons).....	8,991	Utah.....	2
Total packages freight inspected.....	125,950	West Virginia.....	5
Clean bills of health issued.....	30	Mexico.....	4
Foul bills of health issued.....	2	Arkansas.....	73
		Carolina, South.....	13
OVERLAND FREIGHT INSPECTION.		Dakota, North.....	1
Cars inspected.....	3,785	Florida.....	5
Cars rat proofed.....	2,081	Illinois.....	474
Cars condemned.....	6	Kansas.....	8
		Minnesota.....	9
DESTINATION OF RAILROAD CARS INSPECTED WEEK ENDED SEPTEMBER 19.		New York.....	13
Alabama.....	130	Tennessee.....	88
California.....	13	Washington.....	4
Colorado.....	16	District of Columbia.....	1
Dakota, South.....	4		
Georgia.....	74	FIELD OPERATIONS.	
Indiana.....	24	Rats trapped.....	8,852
Kentucky.....	44	Premises fumigated.....	12
Massachusetts.....	2	Premises disinfected.....	100
Mississippi.....	619	Premises inspected.....	6,493
Nebraska.....	4	Poisons placed.....	371,662
New Jersey.....	8	Notices served.....	2,741
Ohio.....	37	Buildings rat-proofed during week ended Sept. 19.....	425
Pennsylvania.....	16	Buildings rat-proofed to date.....	1,101
Texas.....	192	Abatements, week ended Sept. 19.....	1,185
Virginia.....	3	Abatements to date.....	6,398
Wisconsin.....	8	Dead inspected.....	118
Canada.....	6		
Arizona.....	4	LABORATORY OPERATIONS.	
Carolina, North.....	12	Rats examined.....	5,712
Connecticut.....	4	Mus norvegicus.....	5,562
Delaware.....	6	Mus alexandrinus.....	94
Idaho.....	4	Mus rattus.....	63
Iowa.....	28	Mus musculus.....	2,883
Louisiana.....	976	Unclassified, putrid.....	192
Michigan.....	15	Total rodents received at laboratory.....	8,782
Missouri.....	56	Number of suspicious rats.....	17
		Plague rats confirmed.....	35

Plague rats.

Case No.	Address.	Captured.	Diagnosis confirmed.	Treatment of premises.
93	1936 Eighth Street.....	Sept. 2	Sept. 13	Fumigated; disinfected; rat-proofing initiated; intensive trapping and poisoning.
94	606 Montegut.....	Sept. 14	Sept. 14	Fumigation; rat-proofing initiated; intensive trapping and poisoning.
95	Celeste Street Wharf.....	Sept. 4	Sept. 15	Intensive trapping and poisoning.
96	Found dead in street, Terpsichore and Baronne.	Sept. 9	...do....	Do.
97	2773 Tehoupitoulas.....	...do....	Sept. 16	Fumigation; intensive trapping and poisoning.
98	Sewer, corner Arts and North Roman.	Sept. 3	...do....	Intensive trapping and poisoning.
99	160 South Rampart Street.....	Sept. 16	...do....	Summary destruction of rat harborage.
100	1017 Common Street.....	...do....	...do....	Summary destruction of rat harborage; disinfection; fumigation.
101-113	160 South Rampart Street.....	...do....	Sept. 17	Captured as result of summary destruction of rat harborage. See case 99.
114	Found dead in street, 830 Bourbon.	Sept. 17	...do....	Intensive trapping and poisoning.
115-121	1017 Common Street.....	Sept. 18	Sept. 18	See cases 99 and 100.
122	1938 Eighth Street.....	...do....	...do....	See case 93.
123, 124	160 South Rampart.....	...do....	...do....	See case 101.
125	2773 Tehoupitoulas.....	Sept. 12	Sept. 19	See case 97.
126, 127	1017 Common Street.....	Sept. 19	...do....	See case 100.

Summary.

Necropsies.....	2
Total rodents captured to Sept. 19.....	88,395
Total rodents examined to Sept. 19.....	74,307
Rodent cases to Sept. 19 by species:	
<i>Mus rattus</i>	5
<i>Mus alexandrinus</i>	3
<i>Mus norvegicus</i>	119
Total rodent cases to Sept. 19.....	127

WASHINGTON—SEATTLE.

The following reports of plague-eradivative work in Seattle have been received from Surg. Lloyd, of the United States Public Health Service, in charge of the work:

Week Ended September 5, 1914.

RAT PROOFING.		WATER FRONT—continued.	
New buildings inspected.....	62	Sulphur used.....pounds..	2,700
Basements concreted, new buildings (12)		New rat guards installed.....	26
.....square feet..	11,542	Port sanitary statements issued.....	48
Floors concreted, new buildings (22)		LABORATORY AND RODENT OPERATIONS.	
.....square feet..	61,200	Dead rodents received.....	12
Yards concreted, new buildings (4)		Rodents trapped and killed.....	380
.....square feet..	3,280	Total.....	392
Sidewalks concreted.....square feet..	8,250	Rodents examined for plague infection....	321
Total concrete laid, new buildings		Rodents proven plague infected.....	None.
.....square feet..	84,272	Number pounds poison distributed.....	14
New buildings elevated.....	8	CLASSIFICATION OF RODENTS.	
Old buildings inspected.....	1	<i>Mus rattus</i>	6
Premises rat-proofed.....	34	<i>Mus alexandrinus</i>	52
Buildings razed.....	5	<i>Mus norvegicus</i>	279
WATER FRONT.		<i>Mus musculus</i>	35
Vessels inspected and histories recorded....	4		
Vessels fumigated.....	2		

The usual day and night patrol was maintained to enforce fending and rat guarding.

Week Ended September 12, 1914.

RAT PROOFING.		WATER FRONT—continued.	
New buildings inspected.....	68	Sulphur used.....pounds..	125
Basements concreted, new buildings (25), sq. ft.....	53,528	New rat guards installed.....	45
Floors concreted, new buildings (14).sq. ft..	51,854	Port sanitary statements issued.....	55
Yards, etc., concreted, new buildings (4), sq. ft.....	2,460	LABORATORY AND RODENT OPERATIONS.	
Sidewalks concreted.....sq. ft..	1,856	Dead rodents received.....	12
Total concrete laid, new buildings, sq. ft.....	109,698	Rodents trapped and killed.....	422
New buildings elevated.....	6	Total.....	434
Old buildings inspected.....	2	Rodents examined for plague infection.....	361
Premises rat-proofed.....	39	Rodents proven plague infected.....	None.
Wire screening used.....sq. ft..	450	Poison distributed.....pounds..	2
Buildings razed.....	3	CLASSIFICATION OF RODENTS.	
WATER FRONT.		Mus rattus.....	8
Vessels inspected and histories recorded...	11	Mus alexandrinus.....	111
Vessels fumigated.....	1	Mus norvegicus.....	258
		Mus musculus.....	57

The usual day and night patrol was maintained to enforce fending and rat guarding.

HAWAII.

The following reports of plague-eradivative work in Hawaii have been received from Surg. Trotter, of the United States Public Health Service:

Honolulu.

WEEK ENDED SEPT. 5, 1914.

Total rats and mongoose taken.....	428	Classification of rats trapped:	
Rats trapped.....	411	Mus alexandrinus.....	184
Mongoose trapped.....	17	Mus musculus.....	148
Rats found dead.....	0	Mus norvegicus.....	68
Examined microscopically.....	356	Mus rattus.....	11
Under examination.....	0	Average number of traps set daily.....	1,085
Showing plague infection.....	0	Cost per rat destroyed.....cents..	20½

WEEK ENDED SEPT. 12, 1914.

Total rats and mongoose taken.....	402	Average number of traps set daily.....	1,085
Rats trapped.....	386	Cost per rat destroyed.....cents..	21½
Mongoose trapped.....	16	Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.	
Rats found dead.....	0	Last case human plague, Honolulu, July 12, 1910.	
Examined microscopically.....	312	Last case rat plague, Kalopa stable, Paauhau, Hawaii, Aug. 29, 1914.	
Under examination.....	0	Last case human plague, Paauhau Landing, Hawaii, Aug. 17, 1914.	
Showing plague infection.....	0		
Classification of rats trapped:			
Mus alexandrinus.....	192		
Mus musculus.....	120		
Mus norvegicus.....	58		
Mus rattus.....	16		

Hilo.

WEEK ENDED AUG. 29, 1914.

Rats and mongoose taken.....	2,011	Rats and mongoose examined bacteriologically.....	1
Rats trapped.....	1,994	Rat found plague infected.....	1
Rats found dead.....	1	Classification of rats trapped and found dead:	
Mongoose taken.....	16	<i>Mus norvegicus</i>	448
Rats and mongoose examined macroscopically.....	2,011	<i>Mus alexandrinus</i>	292
Rats and mongoose examined microscopically.....	1	<i>Mus rattus</i>	644
		<i>Mus musculus</i>	611

WEEK ENDED SEPT. 5, 1914.

Rats and mongoose taken.....	1,769	Rats and mongoose plague infected (Aug. 29).....	1
Rats trapped.....	1,747	Classification of rats trapped and found dead:	
Rats found dead.....	0	<i>Mus norvegicus</i>	383
Mongoose taken.....	22	<i>Mus alexandrinus</i>	216
Rats and mongoose examined macroscopically.....	1,769	<i>Mus rattus</i>	539
Rats and mongoose examined microscopically.....	1	<i>Mus musculus</i>	609
Rats and mongoose examined bacteriologically.....	1	Last case of rat plague, Paauhau Sugar Co., Aug. 29, 1914.	
		Last case of human plague, Paauhau Sugar Co., Aug. 16, 1914.	